PATENT COOPERATION TREATY

REC'D 1 5 NOV 2005

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference SDS:BR:FP20820	FOR FURTHER ACTION	See Form PCT/IPEA/416			
International application No. PCT/AU2004/001712	International filing date (day/month/year 3 December 2004	Priority date (day/month/year) 4 December 2003			
International Patent Classification (IPC) or national classification and IPC					
Int. Cl. ⁷ A62D 3/00, A61L 9/014					
Applicant					
UNISEARCH LIMITED et al					
	·				
1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.					
2. This REPORT consists of a total of 3	sheets, including this cover sheet.				
3. This report is also accompanied by AN	NEXES, comprising:				
a. (sent to the applicant and to the	e International Bureau) a total of sheets	s, as follows:			
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).					
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.					
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or table related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).					
4. This report contains indications relating	g to the following items:				
Box No. I Basis of the repo	ort				
Box No. II Priority					
Box No. III Non-establishme	ent of opinion with regard to novelty, inve	ntive step and industrial applicability			
Box No. IV Lack of unity of					
X Box No. V Reasoned statem citations and exp	x No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain documents cited					
Box No. VII Certain defects i	Box No. VII Certain defects in the international application				
Box No. VIII Certain observations on the international application					
Date of submission of the demand Date of completion of the report					
30 September 2005	31 October 200	9 NOV 2005			
Name and mailing address of the IPEA/AU	Authorized Officer				
AUSTRALIAN PATENT OFFICE					
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/AU2004/001712

ROX	t No. 1 Basis of the report						
1.	With regard to the language, this report is based on the international application in the language in which it was filed, un otherwise indicated under this item.	ıless					
	This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:						
	international search (under Rules 12.3 and 23.1 (b))						
	publication of the international application (under Rule 12.4)						
	international preliminary examination (under Rules 55.2 and/or 55.3)						
2.	With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):						
	X the international application as originally filed/furnished	3					
	the description:	i					
	pages as originally filed/furnished						
	pages* received by this Authority on with the letter of	İ					
	pages* received by this Authority on with the letter of						
	the claims:	İ					
	pages as originally filed/furnished						
	pages* as amended (together with any statement) under Article 19						
	pages* received by this Authority on with the letter of						
	pages* received by this Authority on with the letter of						
	the drawings:						
	pages as originally filed/furnished						
	pages* received by this Authority on with the letter of						
	pages* received by this Authority on with the letter of						
	a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.						
3.	The amendments have resulted in the cancellation of:						
	the description, pages						
	the claims, Nos.						
	the drawings, sheets/figs						
	the sequence listing (specify):	7					
	any table(s) related to the sequence listing (specify):						
4.	This report has been established as if (some of) the amendments annexed to this report and listed below had not be made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (70.2(c)).	en (Rule					
	the description, pages						
	the claims, Nos.						
	`the drawings, sheets/figs						
	the sequence listing (specify):						
	any table(s) related to the sequence listing (specify):						
*	* If item 4 applies, some or all of those sheets may be marked "superseded."						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Claims

International application No.

NO

PCT/AU2004/001712

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement	• •	
	Novelty (N)	Claims 1-19	YES
		Claims	NO
	Inventive step (IS)	Claims 1-19	YES
		Claims	NO
	Industrial applicability (IA)	Claims 1-19	YES

2. Citations and explanations (Rule 70.7)

D1 US 2003/0134409

NOVELTY (N) Claims 1-19

D1 teaches (and discloses the prior use of) zero valent metals for the treating contaminated soils and represents the state of the art.

None of the prior art documents disclose a method of <u>aerobically</u> treating contaminated solid surfaces with zero valent metals in order to produce hydroxyl radicals.

INVENTIVE STEP (IS) Claims 1-19

The prior art teaches the use of zero valent metals to treat contaminated soils and aquifers in reductive environments that do not have significant oxygen content and thus teaches away from the aerobic treatments of the current invention.